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Reciprocating action electrostatic motor - has thin flexible diaphragms separated by dielectric spacers and attached to end drive plates

Patent Assignee: AS SIBE MATHEMATICS

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Patent Family

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Abstract:

SU 744877 B

Wider range of applications for electrostatic motors is ensured by increasing their stroke and by providing various electro mechanical characteristics. The reciprocating motor is made up of thin and flexible diaphragms (1) which are insulated from each other and forming packs with staggered points of clamping.

By connecting alternate diaphragms to a supply given rise to an electrostatic force of attraction which deforms the diaphragms. These deflections take place in clearance of dielectric spacers (2) and shift the drive plates (3). Bul.24/30.6.80.

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